

Technical Data Sheet

TILEGRIP POXY WB

Water Based Two Component Epoxy Tile Adhesive

Description:

TILEGRIP POXY WB is a two-part water cleanable epoxy adhesive. It consists of epoxy resins, chemical additives and selected filler. The mixed product presents high quality adhesion strength and high resistance against chemicals. It is applicable in harsh environments and heavy traffic areas as a durable tile adhesive. TILEGRIP POXY WB is suitable for fixing all types of wall and floor tiles vertically and horizontally, and it is environmentally friendly.

TILEGRIP POXY WB adheres perfectly to a variety of supports like: concrete, cement boards and cement block, bituminous waterproofing with aggregates, gypsum and cement boards. It is suitable for internal and external application and can be applied in restricted areas as the product has very low odor. The product can be spread easily and can be cleaned with water while the mix is still fresh

Uses:

TILEGRIP POXY WB is designed to be used as an adhesive for tiles when heavy duty function is required including high traffic area, places exposed to thermal shocks or chemicals, permanent wet areas, etc. Some applications are:

- Laboratories and medical facilities.
- Restaurants and shops with high foot traffic and extensive cleaning.
- Wet areas (bathrooms, showers) of public nature.
- Hygiene areas like food processing plants, breweries, dairies.
- Walls and floors of showers, bathrooms and kitchens.
- Swimming pools and water features.

Advantages:

- Water based, environmentally friendly and low odor.
- It can be used for all kinds of residential and commercial buildings.
- For fixing tiles on concrete substrates, floor screeds, cement plaster, renders, blocks and bricks.
- High bond to substrates with rapid load bearing strength.
- Suitable for vertical and horizontal applications
- Chemically resistant, applicable in areas with chemical exposure and spillage.
- High workability and engineered pot life.
- Suitable for wet area application as the adhesive has waterproofing features.
- Water cleanable, no flammable solvents required to clean tools or finished work.
- Non-sag properties suitable for natural stone application on facades.

Instructions for Use:

Surface Preparation:

All concrete surfaces should be sound, clean, dry and free from loose material, efflorescence, laitance, curing compounds; dirt, oil and grease. Ensure that concrete and block substrates are fully cured to accommodate all shrinkage factors.

Moisture content of the substrate should not be higher than 5% and any necessary repair work must be done prior to tiling. Use MATEX Repair range of products. For further advice, contact MATEX Technical Department.

Mixing:

Before mixing the two components, the base and hardener components should be individually stirred to re-disperse any settlement. Add contents of part B (hardener) to part A (base), and mix with a slow speed drill (200–300 rpm) fitted with a suitable paddle. Mix 3-4 minutes until a uniform, unified color, lump free

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consistency mix is achieved. While mixing, scrape the sides and bottom of the can to assure complete mixing of all the contents.

Application:

Ensure that tiles should be placed within the workable time of the adhesive. With a notched trowel, spread the mixed TILEGRIP POXY WB to the substrate evenly and in sufficient quantity. Sweep the second pass with the notched part of the trowel to even the distribution of the material.

With pressure and twist movement left and right push the tile into place over the wet adhesive. Work it in properly to ensure full contact between the back of the tile and the adhesive. Some of the adhesive will ooze from the edges of the tile while fixing. Remove the extra mix and reuse before it dries.

After application and fixing of tiles, remove excess adhesive with a cloth wetted with hot water before adhesive dries. Joints grouting between tiles can be filled after 12 hours of tiling for walls and 24 hours for floors.

When applying tiles of sizes larger than 45x45 cm, it is necessary to spread the adhesive also to the backside of the tile and then place the tiles into the notched adhesive bed.

Standards:

- ISO 13007-1 as R2T
- ANSI A 118.3
- EN 12004 R2T

TECHNICAL PROPERTIES	
Color	Grey, white
Wet Density	1.85 ± 0.03 kg/lit
Pot life at 25°C	60 minutes
Temp. of Application	+5°C to + 40°C
Trafficable after	24 hours
Grouting time	12 hours
Full Curing	7 days
Pull-out Resistance	3 N/mm ² (failure within concrete)
Adhesion Strength	2.0 N/mm ² cohesive failure on concrete

Compressive strength (EN 12808-3)	>50 N/mm ²
Tensile strength	16 N/mm ²
Flexural strength (EN 12808-3)	12 N/mm ²
Shrinkage (EN 12808-4)	0.8 mm/m
Water absorption (EN 12808-5)	≤ 0.05 g
Resistivity to diluted chemicals	Excellent
Service Temperature	-5°C to + 80°C

Coverage:

Solid bed : 1.85 Kg/m² per 1mm thickness

6mm notched Trowel : 5.5 Kg/m² on smooth surface
at 3 mm thickness

Yield : 3.3 Ltr. for 6 Kg kit

Consumption will vary according to the type of tiles and support conditions.

Packaging:

TILEGRIP POXY WB is available in 6 kg set of two-part metal containers.

Storage:

Store in original packing in dry conditions away from direct sunlight and high humidity levels.

Shelf Life:

TILEGRIP POXY WB can be utilized within 12 months of production date if stored in proper conditions in an unopened original packing.

Cleaning:

Excess mortar of adhesive should be cleaned from the surface of the tile with wet cloth or sponge while the mortar is fresh. Once the material gets hardened, mechanical removal will be necessary.

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Health and Safety:

- Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist.

FIRST AID:

Eyes:	In the event of accidental splashes, flush with warm water and seek medical advice.
Skin:	Wash skin thoroughly with soap and water
Inhalation:	Remove to fresh air, keep patient rested
Ingestion:	Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to
TILEGRIP POXY WB Material Safety Data Sheet.

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This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.



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